

G-FLEX

DESCRIPTION: Waterproof anti-crack uncoupling membrane with a nodular geometric structure and very low thickness. It consists of a 0.5 mm thick HDPE polyethylene sheet with 3 mm high nodules and a non-woven polypropylene fiber mat at the base of the nodules.

USE: For uncoupling, waterproofing protection, and dissipation of vapour and moisture pressure. It is installed under ceramic and natural stone coverings, both indoors and outdoors. Suitable for use in heated floors. Adhesion with tile adhesive in a bonded system.

MANUFACTURER: ESTIL GURU S.L.U.

REFERENCES: Presentation in rolls individually packed.

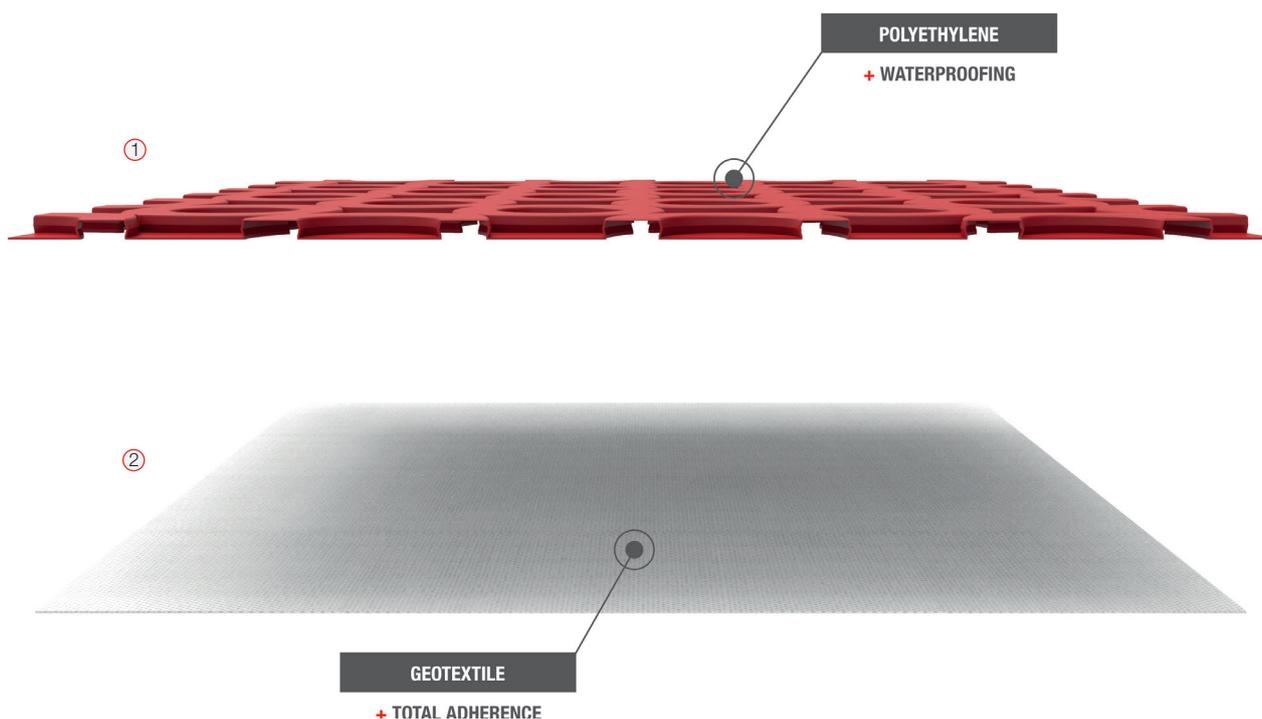
REFS.	SIZE	UNIT	WIDTH	LENGTH	AREA (m ²)	WEIGHT (kg)
IL51000	1 x 14	m	1	14	14	8,75
IL52000	1 x 30	m	1	30	30	18,75



COMPOSITION:

Multilayer structure formed by: film sheet / non-woven	
Composition of the film *1	HDPE (High-Density Polyethylene)
Composition of the exterior non-woven *2	PP (Polypropylene)

This product does not contain hazardous substances.



TESTING TABLE:

CHARACTERISTICS	VALUE
Film thickness	0,5 mm // 0.02"
Total height	3 mm // 1/8"
Weight	0,625 kg/m ² // 0.128 lb/ft ²
Air volume	1,15 l/m ² // 0.0037 ft ³ /ft ²
Estimated adhesive consumption for bonding G-Flex ¹	1,5 a 2 kg/m ² // 0.3 to 0.41 lb/ft ²
Estimated adhesive consumption for filling gaps ¹	2 kg/m ² // 0.41 lb/ft ²
Shear strength (Pull-off) adhesive – 28 days	> 0.7 MPa // > 100 psi
Tensile strength L/T	> 7/7 kN/m // > 40/40 lb/inch
Elongation	> 25%
Use temperatures	-30°C / +80°C // -22°F / +176°F

¹ Approximate consumption values for C2 type tile adhesive. The values may vary depending on the product used and the site conditions.

G-FLEX UNCOVERING MEMBRANE SERVICE CLASSIFICATION (TCNA criterion; Robinson Test)

SUBFLOOR TYPE	CLASSIFICATION
Wood (OSB) on beams at 41 cm center-to-center spacing	EXTRA HEAVY
Wood (OSB) on beams at 49 cm center-to-center spacing	EXTRA HEAVY
Wood (Plywood) on beams at 61 cm center-to-center spacing with 30 x 30 tiles	EXTRA HEAVY
Wood (Plywood) on beams at 61 cm center-to-center spacing with 15 x 15 tiles	HEAVY
Concrete slab	EXTRA HEAVY

ZDB Criterion according to the datasheet “Tile and Slab Installation on Uncoupling Systems for Indoor Use”:

ZDB-Merkblatt “Verlegung von Fliesen und Platten auf Entkopplungssysteme im Innenbereich”

ILE GROUP ACCORDING TO BREAKING STRENGTH (EN ISO 10545-4) / AREAS OF USE ²			CLASSIFICATION	
<1.500 N	I	Use on residential floors and floors with comparable loads. Wheelchair use.	EK-V, EK-H	COMPLIES
1.500 - 3.000 N	II	Use on commercial and industrial floors. Light traffic with tires. No industrial trolleys. Showrooms and vehicle maintenance areas.	EK-G	COMPLIES
3.000 - 5.000 N	III	Use on commercial and industrial floors. Industrial truck traffic, solid and vulcanized rubber tires. Shopping malls.	EK-M	COMPLIES
5.000 - 8.000 N	IV	Use on commercial and industrial floors. Application areas like group III, but polyamide wheel traffic is allowed.		
> 8.000 N	V	Use on commercial and industrial floors. Heavy-duty service areas with industrial truck traffic. Manufacturing, assembly, storage, and heavy machine and equipment repair workshops.		

² According to ZDB information sheet “High-resistance ceramic flooring. ZDB-Merkblatt “mechanisch hoch belastbare keramische Beläge”

CONTROLS PERFORMED DURING PRODUCTION AND/OR ON FINISHED PRODUCT:

Verification of each production batch:

- » Unit surface mass, length, and width.
- » Visible defects.
- » Tensile properties: breakage, elongation, and tear resistance.
- » Adhesion of the geotextile.
- » Pull-out.